EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10	("20020043462" "20030220330" "20020058286" "20020128490" "7109377" "4743377" "4830921" "5051176" "5135649" "6074555").pn.	US-PGPUB; USPAT	OR	ON	2010/06/05 18:49
L2	1	"6492471".pn.	US-PGPUB; USPAT	OR	ON	2010/06/05 19:27
L3	1	"63085450".pn.	JPO; DERWENT	OR	ON	2010/06/05 19:32
L4	1	"4714555".pn.	US-PGPUB; USPAT	OR	ON	2010/06/05 19:39
L5	1	"4519905".pn.	US-PGPUB; USPAT	OR	ON	2010/06/05 19:43
L6	2	"59157563".pn.	JPO; DERWENT	OR	ON	2010/06/05 19:56
L7	662	423/335.ccls. AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/05 20:02
L8	335	423/338.ccls. AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/05 20:02
L9	939	436/161.ccls. AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/05 20:03
L10	1951	210/198.2.ccls. AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/05 20:03
L11	1887	210/656.ccls. AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/05 20:03
L12	78	95/88.ccls. AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/05 20:03
L13	4	(7 8) AND (9 10 11 12)	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/05 20:04
L14	1	13 AND (flash ((glass plastic) WITH (column tube)))	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/05 20:05
L15	4142	(7 8 9 10 11 12)	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/05 20:05
L16	1095	15 AND (flash ((glass plastic) WITH (column tube)))	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/05 20:05

L17	182	16 AND ((sphere spherical bead ball spheroid$like spheroidal spheroid microbead microsphere microspherical microspheroidal semi$spher$5 microspheroid) WITH ((silica) ("SIO.sub.2") (silicon ADJ dioxide)))	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/05 20:07
L18	161	17 AND (pore porous porosity)	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/05 20:08
L19	156	18 AND (size diameter)	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/05 20:13
L20	35	19 AND (raw unmodified)	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/05 20:14
L21	34	20 AND (flash chromatography)	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/05 20:16
L22	0	20 AND (flash chromatography)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/05 20:17
L23	0	20 AND (flash WITH chromatography)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/05 20:17
L24	5	20 AND (flash)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/05 20:17
L25	1	19 AND (flash chromatography)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/05 20:19
L26	3	19 AND (flash WITH chromatography)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/05 20:19
L27	8	(flash WITH chromatography) AND ((sphere spherical bead ball spheroid$like spheroidal spheroid microbead microsphere microspherical microspheroidal semi$spher$5 microspheroid) WITH ((silica) ("SIO.sub.2") (silicon ADJ dioxide)))	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/05 20:22
L28	4	27 AND @ad<="20021129"	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/05 20:22
L29	113	((glass plastic) WITH (column tube)) AND ((sphere spherical bead ball spheroid$like spheroidal spheroid microbead microsphere microspherical microspheroidal semi$spher$5 microspheroid) WITH ((silica) ("SIO.sub.2") (silicon ADJ dioxide)))	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/05 20:23

L30	58	29 AND @ad<="20021129"	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/05 20:24
L31	20	30 AND (pore porous porosity)	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/05 20:24
L32	19	31 AND @pd<="20021129"	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/05 20:29
L33	311	10 AND ((sphere spherical bead ball spheroid$like spheroidal spheroid microbead microsphere microspherical microspheroidal semi$spher $5 microspheroid) WITH ((silica) ("SIO.sub.2") (silicon ADJ dioxide)))	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/05 20:31
L34	10	1 AND ((sphere spherical bead ball spheroid$like spheroidal spheroid microbead microsphere microspherical microspheroidal semi$spher $5 microspheroid) WITH ((silica) ("SIO.sub.2") (silicon ADJ dioxide)))	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/05 20:31
L35	4	34 AND (flash WITH chromatography)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/05 20:32
L36	5	34 AND (flash ((glass plastic) WITH (column tube)))	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/05 20:34
L37	1	36 NOT 35	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/05 20:34
L38	1	34 AND super	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/05 20:35
L39	0	1 AND (super micro bead silica)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/05 20:36
L40	5	1 AND (micro$5)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/05 20:36
L41	0	1 AND (super micro bead)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/05 20:36
S1	473	porous silica gel	US-PGPUB; USPAT	ADJ	ON	2007/10/15 14:54
S2	9	porous silica gel AND flash chromatography	US-PGPUB; USPAT	ADJ	ON	2007/10/15 14:56
S3	23	porous silica gel AND (flash chromatography OR solid phase extraction OR SPE)	US-PGPUB; USPAT	ADJ	ON	2007/10/15 14:56

S4	974	423/335.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/12/19 16:30
S5	30	"5128114"	US-PGPUB; USPAT	ADJ	ON	2007/12/19 16:31
S6	223	423/335.ccls. AND (spherical OR semi"-"spherical)	US-PGPUB; USPAT	ADJ	ON	2007/12/19 16:34
S8	192	423/335.ccls. AND (spherical OR semi"-"spherical) AND (por$6)	US-PGPUB; USPAT	ADJ	ON	2007/12/19 16:35
S9	0	423/335.ccls. AND (spherical OR semi"-"spherical) AND (por%6) AND colum$3 NEAR10 (flash chromatography OR solid phase extraction OR SPE)	US-PGPUB; USPAT	ADJ	ON	2007/12/19 16:36
S10	0	423/335.ccls. AND (spherical OR semi"-"spherical) AND (por%6) AND (flash chromatography OR solid phase extraction OR SPE)	US-PGPUB; USPAT	ADJ	ON	2007/12/19 16:36
S11	0	423/335.ccls. AND (spherical OR semi"-"spherical) AND (por%6) AND (chromatography OR solid phase extraction OR SPE)	US-PGPUB; USPAT	ADJ	ON	2007/12/19 16:37
S12	0	423/335.ccls. AND (spherical OR semi"-"spherical) AND (por%6) AND (chromatography OR extraction OR SPE)	US-PGPUB; USPAT	ADJ	ON	2007/12/19 16:37
S13	141	423/335.ccls. AND (spherical OR semi"-"spherical) AND (por$6) AND @ay<="2002"	US-PGPUB; USPAT	ADJ	ON	2007/12/19 16:38
S14	930	colum$3 AND flash chromatography AND (SPE OR solid phase extraction)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 14:43
S15	489	colum$3 NEAR15 flash chromatography AND (SPE OR solid phase extraction)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 14:44
S16	180	colum$3 NEAR15 flash chromatography AND (SPE OR solid phase extraction) AND @ay<="2002"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 14:45
S17	1	colum$3 NEAR15 flash chromatography AND (SPE OR solid phase extraction) AND @ay<="2002" AND (spherical OR semi"-"spherical)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 14:47
S18	1	1316798B1	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 14:50

S19	12	"1316798"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 14:51
S20	175	colum$3 NEAR15 flash chromatography AND (SPE OR solid phase extraction) AND @ay<="2002" AND silica	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 14:55
S21	175	colum$3 NEAR15 flash chromatography AND (SPE OR solid phase extraction) AND @ay<="2002" AND silica AND @ay<="2002"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 14:57
S22	7	colum$3 NEAR15 flash chromatography AND (SPE OR solid phase extraction) AND @ay<="2002" AND silica AND @ay<="2002" AND pre"-"filled	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 14:57
S23	1285	(flash chromatography OR SPE OR solid phase extraction) column AND @ay<="2002"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 15:09
S24	1073	(flash chromatography OR SPE OR solid phase extraction) column AND @ay<="2002" AND silica	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 15:10
S25	10	(flash chromatography OR SPE OR solid phase extraction) column AND @ay<="2002" AND porous silica	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 15:10
S26	4	(flash chromatography OR SPE OR solid phase extraction) column AND @ay<="2002" AND spherical silica	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 15:26
S27	1162	436/161.ccls.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 15:27
S28	934	436/161.ccls. AND @ay<="2002"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 15:27
S29	834	436/161.ccls. AND @ay<="2002" AND column	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 15:27
S30	365	436/161.ccls. AND @ay<="2002" AND column AND silica	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 15:28
S31	109	436/161.ccls. AND @ay<="2002" AND column AND silica AND syringe	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 15:28

S32	91824	"210".clas.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 15:38
S33	306	"210".clas. AND column AND @ay<="2002" AND porous silica	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 15:38
S34	60	"210".clas. AND column AND @ay<="2002" AND porous silica AND syringe	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 15:38
S35	25	"210".clas. AND column AND @ay<="2002" AND porous silica AND syringe AND (flash chromatography OR solid phase extraction OR SPE)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 15:41
S36	0	210/192.ccls. AND column AND @ay<="2002" AND porous silica AND syringe AND (flash chromatography OR solid phase extraction OR SPE)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 16:31
S37	0	210/192.ccls. AND column AND @ay<="2002" AND porous silica AND syringe	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 16:31
S38	0	210/192.ccls. AND column AND @ay<="2002" AND silica AND syringe	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 16:32
S39	17	210/192.ccls. AND column AND @ay<="2002" AND silica	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/03 16:32
S40	50	"3682315"	US-PGPUB; USPAT	ADJ	ON	2008/01/04 11:47
S41	47	"3682315" AND @ay<="2002"	US-PGPUB; USPAT	ADJ	ON	2008/01/04 11:48
S42	11	"3682315" AND @ay<="2002" AND silica	US-PGPUB; USPAT	ADJ	ON	2008/01/04 11:48
S43	11	"3682315" AND @ay<="2002" AND silica AND por$5	US-PGPUB; USPAT	ADJ	ON	2008/01/04 11:50
S44	5354	column WITH flash chromatography	US-PGPUB; USPAT	ADJ	OFF	2008/08/25 14:54
S45	17	S44 AND spherical AND porous AND (silica gel)	US-PGPUB; USPAT	ADJ	OFF	2008/08/25 14:55
S46	1121	flash chromatography column	US-PGPUB; USPAT	ADJ	OFF	2008/08/25 14:56
S47	802	S46 AND @ad<="20021129"	US-PGPUB; USPAT	ADJ	OFF	2008/08/25 14:58
S48	2590	210/656.ccls.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/08/25 16:06

S50	1877	S48 AND @ad<="20021129"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/08/25 16:07
S51	549	S50 AND silica gel	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/08/25 16:08
S52	28	S51 AND flash	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/08/25 16:08
S53	2590	210/656.ccls.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/08/25 17:44
S54	1877	S53 AND @ad<="20021129"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/08/25 17:44
S55	2	423/335.ccls. AND S54	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/08/25 17:44
S56	4	S54 AND flash AND (porous WITH silica WITH gel)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/08/25 17:54
S57	24099	((flash chromatography) OR (medium$pressure chromatography)) SAME (silica OR SiOsub2)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/08/25 17:59
S58	14378	S57 AND @ad<="20021129"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/08/25 17:59
S59	2	((flash chromatography) OR (medium$pressure chromatography)) SAME (silica OR SiOsub2) SAME porous SAME (spherical OR sphere OR semi$spherical)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/08/25 18:01
S60	23	((flash chromatography) OR (medium$pressure chromatography)) AND ((silica OR SiOsub2) SAME porous SAME (spherical OR sphere OR semi$spherical))	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/08/25 18:02
S61	9	S60 AND @ad<="20021129"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/08/25 18:02
S62	8	((flash chromatography) OR (medium$pressure chromatography)) AND ((silica OR SiOsub2) SAME porous SAME (microsphere$ OR micro$sphere$ OR microspherical OR micro $spherical))	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/08/25 18:07

S63	4	S62 AND @ad<="20021129"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/08/25 18:07
S64	654	423/335.ccls. AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/12 17:48
S65	1880	210/656.ccls. AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/12 17:48
S66	2	S64 AND S65	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/12 17:48
S67	1745	(S64 OR S65) AND (silica OR "SiO.sub.2")	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/12 17:50
S68	25	S67 AND ((flash chromatography) OR (medium$pressure chromatography))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/12 17:51
S69	654	423/335.ccls. AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 15:36
S70	1882	210/656.ccls. AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 15:36
S71	29	(S69 OR S70) AND (flash WITH chromatography)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 15:37
S72	30	(S69 OR S70) AND ((flash WITH chromatography) OR (medium$pressure WITH chromatography))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 15:38
S73	28	S72 AND (silica OR "SiO.sub.2")	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 15:38
S75	18	S73 AND (sphere spherical bead ball semi$sphere semi $spherical round globe drop droplet)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 15:40
S76	13	S75 AND (pore porous)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 15:55
S78	30792	(sphere spherical bead ball semi$sphere semi$spherical round globe drop droplet) AND (flash WITH chromatography)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 16:18
S79	11757	S78 AND (sphere spherical bead ball semi$sphere semi $spherical round globe drop droplet) SAME (silica OR "SiO.sub.2")	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 16:19
S80	5657	S79 AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 16:19

S81	30924	(sphere spherical bead ball semi$sphere semi$spherical round globe drop droplet) AND ((flash WITH chromatography) OR (medium$pressure WITH chromatography))	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 16:20
S82	11774	S81 AND (sphere spherical bead ball semi$sphere semi $spherical round globe drop droplet) SAME (silica OR "SiO.sub.2")	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 16:20
S83	5666	S82 AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 16:20
S84	5032	S83 AND ((flash WITH chromatography) OR (medium$pressure WITH chromatography)) SAME (silica OR "SiO.sub.2")	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 16:21
S85	693	S84 AND (pore porous)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 16:21
S86	326	S81 AND (sphere spherical bead ball semi$sphere semi $spherical round globe drop droplet) SAME (silica OR "SiO.sub.2") SAME (pore porous)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 16:21
S87	117	S86 AND ((flash WITH chromatography) OR (medium$pressure WITH chromatography)) WITH column	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 16:28
S88	136	(spheroid$like spheroidal spheroid) AND ((flash WITH chromatography) OR (medium$pressure WITH chromatography))	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 16:31
S89	53	S88 AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 16:32
S90	29	S89 AND ((flash WITH chromatography) OR (medium$pressure WITH chromatography)) SAME (silica OR "SiO.sub.2")	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 16:32
S91	6	S90 AND (pore porous)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 16:32
S92	6	S81 AND (spheroid$like spheroidal spheroid) SAME (silica OR "SiO.sub.2") SAME (pore porous)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 16:33
S93	122	(S87 OR S92)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 16:33

S94	62	S93 AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 16:34
S95	1	"20080067343".pn.	US-PGPUB; USPAT	ADJ	ON	2009/06/08 02:55
S96	1	"4959340".pn.	US-PGPUB; USPAT	ADJ	ON	2009/06/08 02:55
S97	13	(US-20040018260-$ or US-20090056541-$).did. or (US-5559039-$ or US-3682315-$ or US-5876595-$ or US-5674387-$ or US-5667674-$ or US-5487831-$ or US-5484530-$ or US-5422004-$ or US-5387338-$ or US-5290440-$ or US-5256293-$).did.	US-PGPUB; USPAT	ADJ	ON	2009/06/08 02:57
S98	0	S96 AND ((flash WITH chromatography) OR (medium$pressure WITH chromatography))	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/08 02:58
S99	13	(US-20040018260-$ or US-20090056541-$).did. or (US-5559039-$ or US-3682315-$ or US-5876595-$ or US-5674387-$ or US-5667674-$ or US-5487831-$ or US-5484530-$ or US-5422004-$ or US-5387338-$ or US-5290440-$ or US-5256293-$).did.	US-PGPUB; USPAT	ADJ	ON	2009/06/08 03:15
S100	11	S99 AND ((flash WITH chromatography) OR (medium$pressure WITH chromatography))	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/08 03:15
S101	1	("20050287062" | "20060150676" | "4752459" | "5371262" | "5453528" | "5710301" | "5874603" | "6071410" | "6267942" | "6800777" | "7235682" | "7235683").PN. AND ((flash WITH chromatography) OR (medium$pressure WITH chromatography))	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/08 03:29
S102	4	S100 AND (sphere spherical bead ball spheroid$like spheroidal spheroid)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/08 03:33
S103	5	S99 AND (sphere spherical bead ball spheroid$like spheroidal spheroid)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/08 04:05
S104	1948	210/198.2.ccls. AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/08 05:07

S105	78	95/88.ccls. AND @adc="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/08 05:07
S106	132	556/443.ccls. AND @adc="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/08 05:07
S107	2116	(S104 S105 S106)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/08 05:08
S108	29	S107 AND ((flash WITH chromatography) OR (medium$pressure WITH chromatography))	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/08 05:08
S109	3	S108 AND (sphere spherical bead ball spheroid$like spheroidal spheroid)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/08 05:08
S110	3583	(sphere spherical bead ball spheroid$like spheroidal spheroid microbead microsphere microspherical microspheroidal semi$spher $5 microspheroid) WITH ((silica ADJ gel) ("SiO.sub.2" ADJ gel) (silicon ADJ dioxide ADJ gel))	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/14 19:33
S111	1949	S110 AND @adc="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/14 19:34
S113	637	S111 AND (sphere spherical bead ball spheroid$like spheroidal spheroid microbead microsphere microspherical microspheroidal semi$spher $5 microspheroid) WITH ((silica ADJ gel) ("SiO.sub.2" ADJ gel) (silicon ADJ dioxide ADJ gel)) WITH (pore porous)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/14 19:35
S114	133	S113 AND ((flash WITH chromatography) OR (medium$pressure WITH chromatography))	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/14 19:36
S115	0	S111 AND ((sphere spherical bead ball spheroid$like spheroidal spheroid microbead microsphere microspherical microspheroidal semi$spher $5 microspheroid) WITH ((silica ADJ gel) ("SiO.sub.2" ADJ gel) (silicon ADJ dioxide ADJ gel)) WITH (pore porous) SAME ((flash WITH chromatography) OR (medium$pressure WITH chromatography)))	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/14 19:37

S116	1	S111 AND ((sphere spherical bead ball spheroid$like spheroidal spheroid microbead microsphere microspherical microspheroidal semi$spher $5 microspheroid) WITH ((silica ADJ gel) ("SiO.sub.2" ADJ gel) (silicon ADJ dioxide ADJ gel)) WITH (pore porous) SAME3 ((flash WITH chromatography) OR (medium$pressure WITH chromatography)))	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/14 19:37
S117	8	S111 AND ((sphere spherical bead ball spheroid$like spheroidal spheroid microbead microsphere microspherical microspheroidal semi$spher $5 microspheroid) WITH ((silica ADJ gel) ("SiO.sub.2" ADJ gel) (silicon ADJ dioxide ADJ gel)) SAME ((flash WITH chromatography) OR (medium$pressure WITH chromatography)))	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/14 19:42
S118	0	S114 AND ((sphere spherical bead ball spheroid$like spheroidal spheroid microbead microsphere microspherical microspheroidal semi$spher $5 microspheroid) WITH ((silica ADJ gel) ("SiO.sub.2" ADJ gel) (silicon ADJ dioxide ADJ gel)) SAME ((flash WITH chromatography) OR (medium$pressure WITH chromatography)))	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/14 19:43
S119	0	S113 AND ((sphere spherical bead ball spheroid$like spheroidal spheroid microbead microsphere microspherical microspheroidal semi$spher $5 microspheroid) WITH ((silica ADJ gel) ("SiO.sub.2" ADJ gel) (silicon ADJ dioxide ADJ gel)) SAME ((flash WITH chromatography) OR (medium$pressure WITH chromatography)))	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/14 19:44

S120	2	((sphere spherical bead ball spheroid$like spheroidal spheroid microbead microsphere microspherical microspheroidal semi$spher $5 microspheroid) WITH ((silica ADJ gel) ("SiO.sub.2" ADJ gel) (silicon ADJ dioxide ADJ gel)) WITH (pore porous) SAME ((flash WITH chromatography) OR (medium$pressure WITH chromatography)))	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 21:56
S121	660	423/335.ccls. AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/14 22:08
S122	334	423/338.ccls. AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/14 22:08
S123	939	436/161.ccls. AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/14 22:09
S125	1951	210/198.2.ccls. AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/14 22:11
S126	1887	210/656.ccls. AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/14 22:11
S127	78	95/88.ccls. AND @ad<="20021129"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/14 22:12
S128	4139	(S121 S122 S123 S125 S126 S127)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/14 22:13
S129	180	S128 AND ((sphere spherical bead ball spheroid$like spheroidal spheroid microbead microsphere microspherical microspheroidal semi$spher $5 microspheroid) WITH ((silica ADJ gel) ("SiO.sub.2" ADJ gel) (silicon ADJ dioxide ADJ gel)))	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/14 22:13
S130	2	S129 AND ((flash WITH chromatography) OR (medium$pressure WITH chromatography))	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/14 22:14
S131	46	S129 AND (sphere spherical bead ball spheroid$like spheroidal spheroid microbead microsphere microspherical microspheroidal semi$spher $5 microspheroid) WITH ((silica ADJ gel) ("SiO.sub.2" ADJ gel) (silicon ADJ dioxide ADJ gel)) WITH (pore porous)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/14 22:15

S132	1	"6360589".pn.	US-PGPUB; USPAT	ADJ	ON	2009/12/15 21:15
S133	37	(US-20040018260-$ or US-20030220330-$ or US-20020128490-$ or US-20020058817-$ or US-20020058286-$ or US-20010024798-$ or US-20020043462-$).did. or (US-5559039-$ or US-3682315-$ or US-5876595-$ or US-5674387-$ or US-5667674-$ or US-5487831-$ or US-5484530-$ or US-5422004-$ or US-5387338-$ or US-5290440-$ or US-5256293-$ or US-6359113-$ or US-7129242-$ or US-7122544-$ or US-7109377-$ or US-6867305-$ or US-6670479-$ or US-6448443-$ or US-4341634-$ or US-6360589-$ or US-6277258-$ or US-6074555-$ or US-5587082-$ or US-5135649-$ or US-5051176-$ or US-4830921-$).did. or (US-4743377-$ or US-4606825-$ or US-4554211-$ or US-4551245-$).did.	US-PGPUB; USPAT	ADJ	ON	2009/12/15 21:44
S134	23	S133 AND flash	US-PGPUB; USPAT	ADJ	ON	2009/12/15 21:44
S135	2	"5559039".pn.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2010/03/05 18:01
S136	1	"5128114".pn.	US-PGPUB; USPAT	ADJ	ON	2010/03/05 18:10

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